SISKOVA, M.; ERDOS, E.

Adsorption from non-electrolyte solutions on solid adsorbents. Part 3: Adsorption from double solutions of benzol, tuluol, tetrachlorocarbon and chlorobenzol on silica gel and active carbon. Coll Cz Chem 26 no.12:3086-3100 D '61.

1. Technische Hochschule fur Chemie und Institut fur physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.

ERDOS, E.

CZECHOSLOVAKIA

No academic degree indicated

Institute of Physical Chemistry, Czechoslovak Academy of Science, Prague

Prague, Collection of Czechoslovak Chemical Communications, No 10, October 1962, pp 2273-2283

"Thermodynamic Properties of Sulphates. Part II. Absolute Entropies, Heat Capacities and Dissociation Pressures." (Part I. appeared in this Journal, 1962, p 1428 ff.)

NYVLT, J.; ERDOS, E.

P-V-T-relations in solutions of liquid nonelectrolytes. Part 3: mixture volumes and molecular refraction. Coll Cz Chem 27 no.5:1229-1241 My '62.

1. Forschungsinstitut für anorganische Chemie, Usti nad Labem und Institut für physikalische Chemie, Tschechoslowakische Akademia der Wissenschaften, Prag.

# ERDOS, E.

Thermodynamic properties of sulfites. Part 1: Standard formation heat. Coll Cz Chem 27 no.6:1428-1437 Je '62.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

ERDOS, E.

Thermodynamic properties of sulfates. Part 2:Absolute entropies, heat capacities and dissociation pressures. Coll Cz chem 27 no.10:2273-2283 0 \*62.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences.

ERDÖS, E.

Czechoslovakia

Institute of Physical Chemistry, Czechoslovak

Academy of Science -- Prague

Prague, Collection of Czechoslovak Chemical
Communications, No 9, 1962, pp 2152-2166

"Equilibria in the Systems  $SO_2 - CO_2 - M_mO^{\bullet}$ "

# SOLC, K.; ERDOS.E.

Absolute isothermal distillation method of determination of osmotic pressure. Coll Cz Chem 29 no.1:24-35 Ja 64

1. Institute of Macromolecular Chemistry and Institute of Physical Chemistry, Chechoslovak Academy of Sciences, Prague.

# ERDOS, E.

Application of thermodynamics in a force field to the state behavior of real gases. Coll Cz Chem 29 no.10:2406-2411 0 '64.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

ERDOS, Emerich; BARFS, Jiri

Eudiometer with a constant and adjustable hydrodynamic resistance. Chem listy 58 no.1:25-27 Ja'64.

 Ustav fysikalni chemie, Ceskoslovenska akademie ved, Praha.

DVORAK, Karel (deceased); BARES, JIRI; ERDOS, Emreich

Laboratory preparation of hard glass balls and wool. Chem listy 58 no. 4:454-457 Ap '64

1. Institute of Physical Chemistry, Czecholovak Acdemy of Sciences, Prague.

ERDOS, Emerich; BARES, Jiri

Absorbers for kinetic measurements. Chem listy 58 no. 4:457-460 Ap 164.

1. Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague.

#### CZECHOSLOVAKIA

#### ERDOS, E: SISKOVA, M

 Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague (for ?);
 Department of Physical Chemistry, Institute of Chemical Technology, Prague - (for ?)

Prague, Collection of Czechoslovak Chemical Communications, No 2, February 1966, pp 415-426

"Surface tension of binary solutions of non-electrolytes. Part 1. General relations and simplifies models."

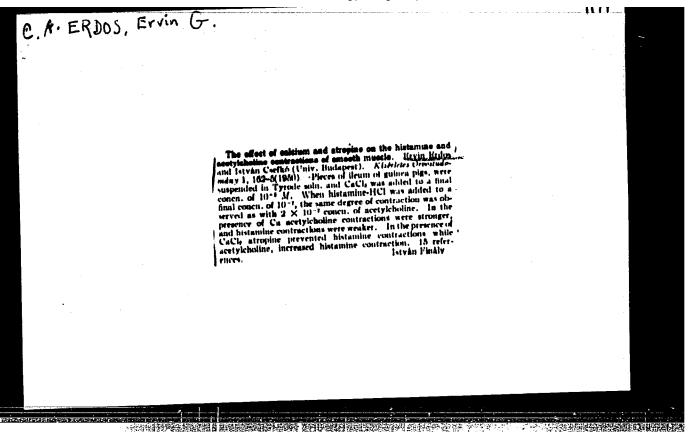
#### CZECHOSLOVAKIA

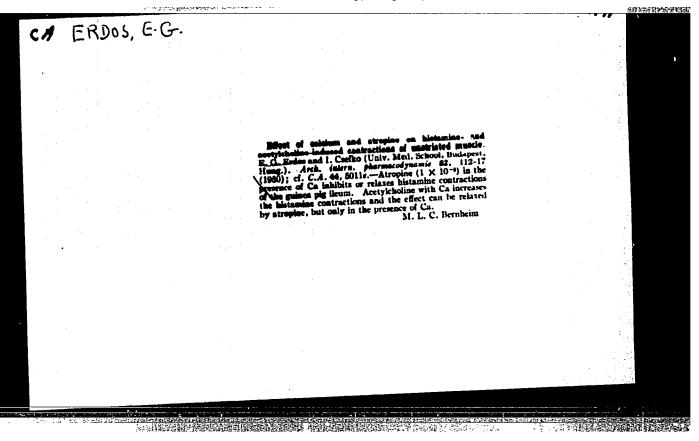
# ERDOS, E; BARRES, J

Institute of Physical Chemistry, Czechoslovak Academy of Sciences, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 2, February 1966, pp 427-434

"Direct conductometric microdetermination of sulfur dioxide at low concentration in gases."





SCHWANER, Karoly, dr.; ERDOS, Gyorgy, dr.

Data on preparing phenoplasts strengthened by glass frames. Magy kem lap 17 no.10:454-459 0 '62.

1. Kabel es Muanyagyar, Budapest.

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Technical problems in intra-cutaneous vaccination. Tuberk. kerdesei 9 no.1:43-48 Feb 56

1. A Bekesmegyei Tanacs Vandor-rontgen Szolgalatanak (vezeto foorvos Erdos Gyula dr.) kozlemenye.

(ECG VACCINATION, admin.

intro-cutaneous, technical problems (Hun))

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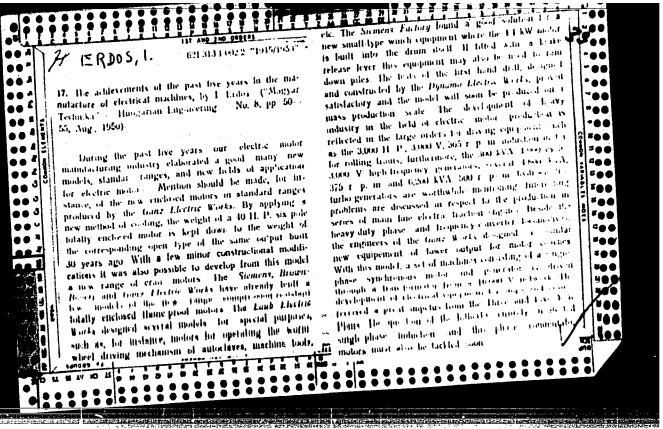
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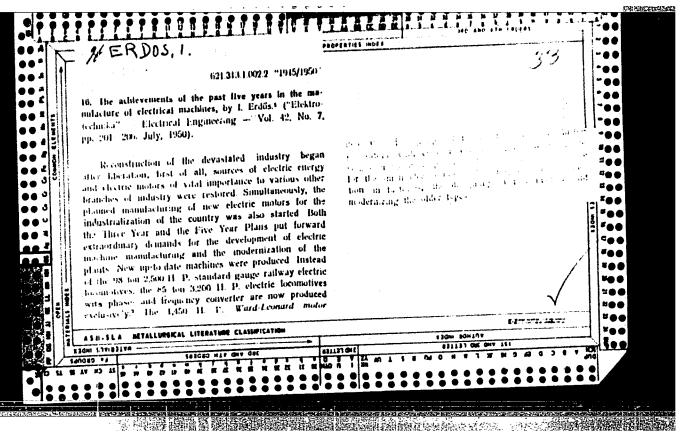
intra-cutaneous, technical problems (Hun))
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#### ERDOS, Imre

Economic and scientific cooperation of the countries of the socialist camp. Elektrotechnika 51 no.7/9:309-315 158.

1. Koho-es Gepipari Miniszterium Iparpolitikai Foosztalya helyettes vezetoje.





#### ERDOS, I.

Letter on the manufacturing of consumers' goods; from the aluminum key to the independent section of the factory. p. 11.

No. 1, Jan. 1955 MUSZAKI ELET Budanest

SOURCE: Monthly list of East European Accession, (EEAL), LC, Vol., 5, No. 3, March, 1956

#### ERDOS, I.

Communications of the Central Laboratory of Klement Gottwald Electric Works. p. 1. (Elektrotechnika, Budapest, Vol. 48, no. 1/2, Jan/Feb 1955)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, no. 6, June 1955 Uncl

ERDOS, I.

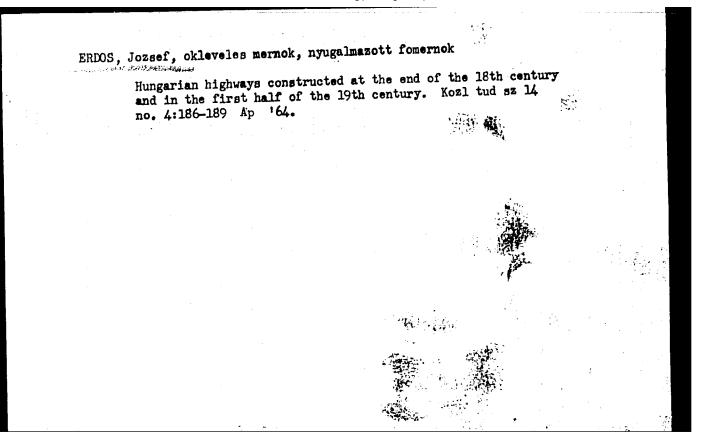
Some problems of the development of our diesel program. p.193

JARMUVEK MEZOGAZDASAGI GEPEK. (Gepipari Tudomanyos Egyesulet) Budapest, Hungary Vol. 5, no.7/8, 1958

Monthly List of East European Accessions (EEAI) LC., Vol. 8, no.7, July 1959 Uncl.

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

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ERDOS, Jozsef (Tompa)

Observations on gall-producing chalcid flies living on Rungarian grasses and their galls. Allattani kozl 50 no.1/4:41-49 \*63.

ERDOS, J.

New Chalcidoideae in the collections of Biro (Hymenoptera). In Latin. p.181. (Magyar Nemzeti Muzeum Termezettudomanyi Muzeum Evkonyve, Vol. 7, 1956, Budapest, Hungary)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, no. 9, Sept. 1957. Uncl.

HUNCARY/General and Special Zoology - Insects.

P-6

Abs Jour

: Ref Zhur - Mol., No 5, 1958, 20891

Author

: Erdos, J.

Inst Titl.e

: Addenda to the study of the Chalcide Fauna of Hungary and

Adjacent Regions. VI. 19. Eulophidae.

Orig Pub

: Rovart kozl., 1956, 9, No 1-12, 1-64.

Abstract : No abstract.

Card 1/1

- 2 -

HUNGARY/General and Special Zoology. Insects

P-2

Abs Jour : Ref Zhur - Biol., No 15, 1953, No 68724

Author

Inst

: Erdos J. : Hungarian Acad Sci.

Title

: New Encyrtides from Hungary

Orig Pub : Acta zool. Acad. Sci. hung., 1957, 3, No 1-2, 5-87

Abstract : A systematic review of encyrtides (Encyrtidae) which are new

to Hungarian fauna, including ~70 species of 39 genera. 24

new species are described.

Card : 1/1

HUNGARY/Diseases in Farm Animals. Diseases of Unknown Etiology.

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54975.

are among the clinical symptoms characteristic for the disease. Body temperature is mostly normal, even subnormal. Autopsy reveals serious infiltration of the gastro-intestinal tract, semetimes it is acutely inflammed. There exist no reliable therapeutic and prophylactic methods. Good results were obtained, however, with streptomycin in combination with caffeine and vitamin B1.

Card : 2/2

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Symbols to the knowledge of the fauna of Encyrtidae and Aphelinidae. Acta zool Hung 7 no.3/4:413-423 161.

FRDOS, J.

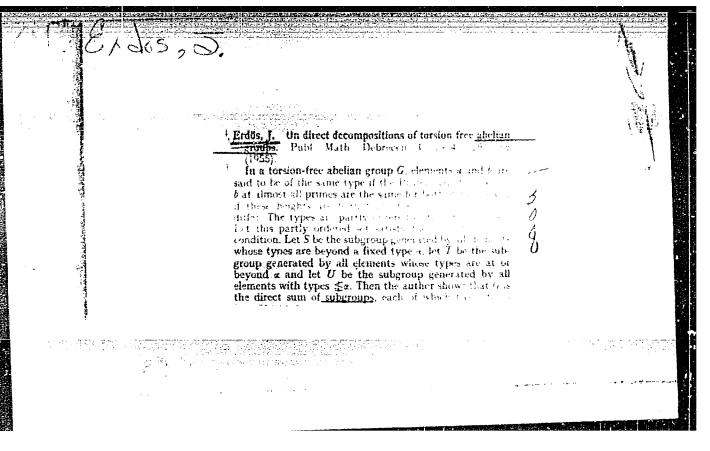
"Theory of groups with finite classes."
Kozlemenyei, Budapest, Vol 4, No 1, 1954, p. 127

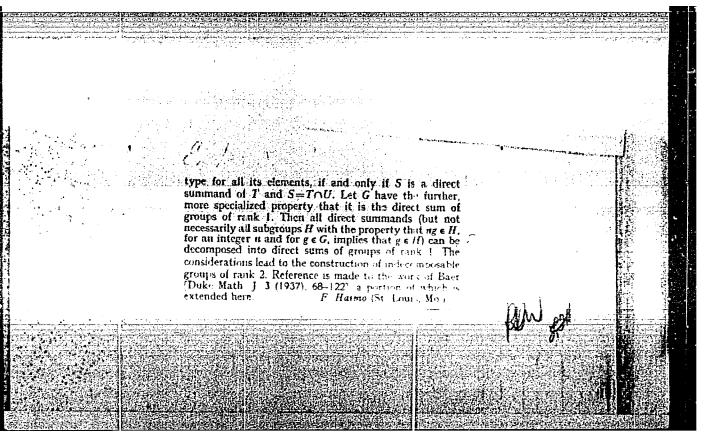
SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

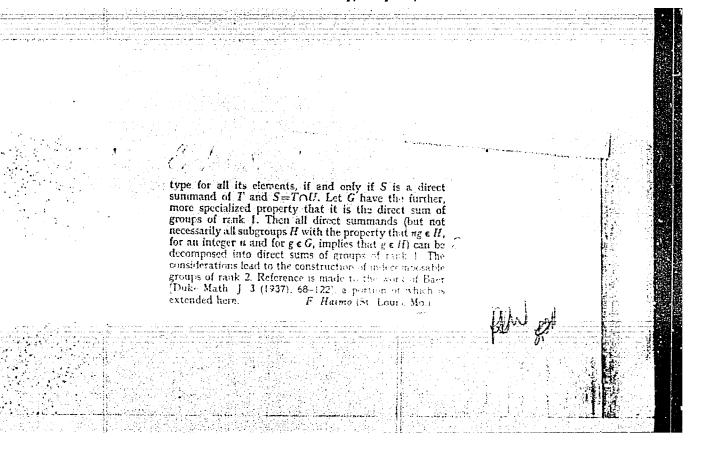
ERDOS, J.

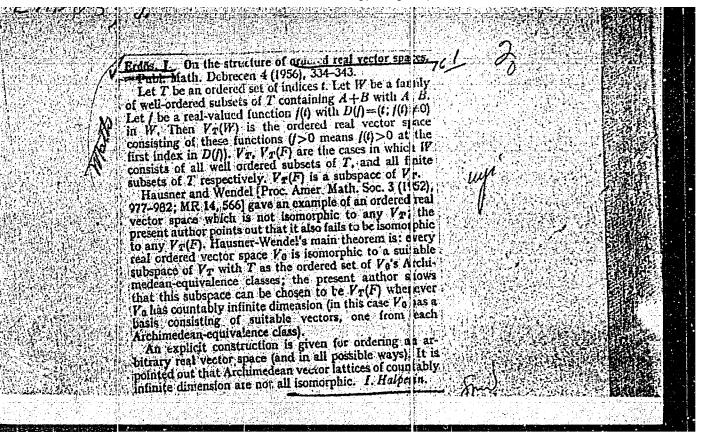
"The theory of groups with finite classes of conjugate elements." In English. Acta Mathematica, Budapest, Vol 5, No 1/2, 1954, p. 45

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress









7055: Erdős, Jenő. Torsion-free factor groups of free abelian groups and a classification of torsion-free abelian groups.

Publ. Math. Debrecen 5 (1957), 172-184.

The following four rather surprising theorems are proved. If H is any subgroup of a free abelian group F with F/H torsion-iree, then there exists a basis of F which is a complete system of representatives of the cosets of F modulo H if and only if |F:H|=rank H (|F:H| is the cardinality of F/H; a complete system of representatives gives precisely one element in each coset). Let F/H and F'/H' be isomorphic torsion-free factor groups of the free abelian groups F and F'. Then there exists an isomorphism  $\varphi$  of F onto F' with  $\varphi(H) = H'$  if and only if rank H

with  $\varphi(F_{\alpha}) = (i_{\alpha} \text{ for all } \alpha \in \Gamma. \text{ Let } H \text{ be any subgroup of } I$ an abelian group G with G/H torsion-free and nonzero. Then there exists a generating system of G which is a complete system of representatives of the cosets of G modulo H if and only if  $|G:H| \ge |H|$ . The author then goes on to use these theorems to characterize torsion-free abelian groups in the following manner. If G is torsion-free of cardinality  $\leq m$ , let G be represented as the factor group of a free abel an group F modulo a subgroup H with rank F=rank H=m. Let  $\{b_{\alpha}\}$  and  $\{b_{\alpha}'\}$  ( $\alpha \in \Gamma$ ) be bases of F and H, respectively. Then to the group G the author associates the matrix  $\|r_{\alpha\beta}\|$  ( $\alpha$ ,  $\beta \in \Gamma$ ) where  $b_{\alpha}' = \sum_{\beta} r_{\alpha\beta}b_{\beta}$  and the  $r_{\alpha\beta}$  are integers. He then shows easily that this is = rank H'. Given a homomorphism  $\varphi$  from a free abelian a one-one correspondence between torsion-free groups of cardinality  $\leq m$  and equivalence classes of row finite m by m matrices over the integers, where two matrices Aand B are called equivalent if there exist regular matrices P and Q with  $PAQ \cap B$  (all matrices are over the integers). D. K. Harrison (Haverford, Pa)

1-F\W

A61:
VErdős, Jend. On the splitting problem of mixed abelian groups. Publ. Math. Debrecen 5 (1958), 364-377.
For a p-adic module G without elements of infinite height and a basic submodule B, each element of G can be

represented, essentially uniquely, as the sum of an infinite series, the terms of which are taken from the direct cyclic summands of B. Define the dimension of G to be the rank of B. Let H be a torsion-free p-adic module of countable dimension. Then any extension of a p-adic torsion module T by H to a p-adic module splits (Ext(H, T)=0) if and only if T is the direct sum of a bounded-order module and a divisible module or H is free. Such splitting takes place for every torsion module T if and only if H is free. Defining a p-adic closure of an abelian group G to be any p-adic module M for which G is a group of generators and for which an independent set of G is independent in M, the author shows that an isomorphism between groups extends to an isomorphism between a pair of their p-adic closures, while an abelian

group has a p-adic closure if and only if its torsion subgroup is a p-group. Moreover, an abelian p-group P always splits its abelian extensions by a fixed torsion-free abelian group H if and only if, in the p-adic module situation, P always splits its p-adic module extensions by a p-adic closure of H. Define p-adic dimension of an abelian group with a p-adic closure to be the dimension of this closure. Let H be a torsion-free group of countable p-adic dimension. Then Ext(H, P) = 0 for every p-group P if and only if the p-adic closure of H is free. If H is a torsion-free group of countable p-adic dimension for at least one prime p, then Ext(H, T) = 0 for every torsion group T if and only if H is free. If H is the group of all sequences of integers, then  $Ext(H, T) \neq 0$ , where T is the direct sum of all the distinct cyclic groups of orders which are the powers of p. [Cf. #6460 above; for consistency with the latter, we have written Ext(A, B) in this review for the author's Ext(B, A).] F. Haimo (St. Louis, Mo.)

ERDOS, Lassle; PAPP, Bela

Instrumental measuring of surface runoff. Idejaras 64 no.3:169-174 My-Je 161.

ERDOS, Laszlo, okleveles villamosmernok

Examination of the electrical properties of reinforced concrete sleepers with special regard to the isolated track circuits. Kozl tud sz 12 no.11: 493-502 N 162.

1. Vasuti Tudomanyos Kutato Inteset tudomanyos munkatarsa.

PALOCZ, I; ZADOR, L; KRDOS, L.

Treatment of hypoproteinemia following acute hemorrhage with parenteral administration of amino-acid. Magyar Sebesset 3 no.3:233-236 1950. (CIML 20:1)

1. Of the Urological Clinic (Director -- Dr. Antal Babics, University Professor Lecturer), Budapest University, and of the National Institute of Public Hygiene (Director General -- Dr. Andras Havas, University Professor).

# ERDOS, L.

Immunological and epidemiological considerations on the present epidemics of scarlet fever. Orv. hetil. 94 no.18:478-486 3 May 1953. (CLML 24:5)

1. Doctor. 2. National Public Hygiene Institute (Director General -- Academician Dr. Andras Havas).

(VACCINATION in inf. & child)

#### ERDOS, laszlo, dr.

```
tetanus vaccination of small infants. Nepegeszsegugy 41 no.2:
30-35 F '60.

1. Kozlemeny az Orszagos Kozegeszssgugyi Intezetbol (foigazgato: Bakacs, Tibor, dr.)

(DIPHTHERIA immunol.)

(WHOOPING COUGH immunol.)

(TETANUS immunol.)
```

Immunological studies in relation to the diptheria-pertussis-

ERDOS, Laszlo, dr.

Recent studies on the immunization of infants. Orv.hetil. 102 no.34:1590-1593 20 Ag '61.

1. Orszagos Kosegesssegugyi Interet.

(INFANT NEWBORN immunol) (VACCINATION in inf & child)

ERDOS, Laszlo, dr.; MAJOR, Janosne

Changes in the immunization of 11-year-old children. Nepe-geszsegugy 44 no.10:298-301 0 '63.

(VACCINATION) (TETANUS TOXOID)
(DIPHTHERIA TOXOID) (PERTUSSIS VACCINE)
(STATE MEDICINE) (LEGISLATION, MEDICAL)

NYERGES, Gaorgette; LOSONICZY, Gy.; ERDOS, L.; PETRASS, Gy.

Significance of haemagglutination-inhibiting antibodies in the evaluation of vaccinial reactions. Acts microbiol. acad. sci. Hung. 11 no.2:139-145 '64.

1. State Institute of Hygiene (Director: T. Pakaca), Pudapest, and Laszlo Central Hospital for Infectious Diseases Director: J. Roman), Budapest.

ERDOS, Laszlo

Measuring the evaporation of bare ground by a lysimeter. Idojaras 68 no.4:201-210 Jl-Ag '64.

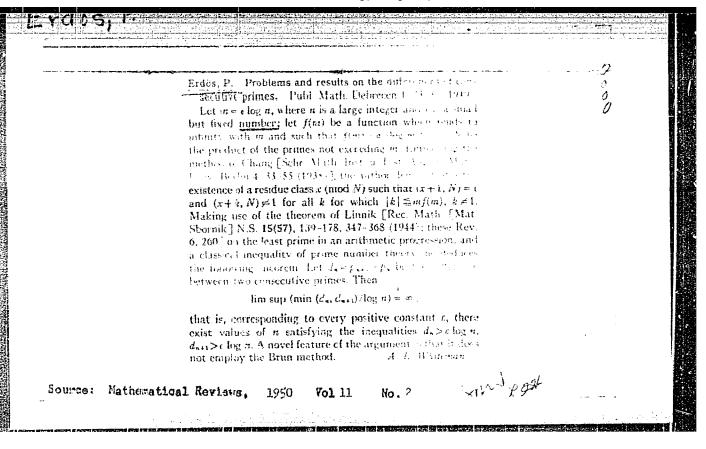
ERDOS, Laszlo, dr.; SOMOGYI, Szilveszter, dr.; MGINAR, Edit, dr.; HAINTZ, Gyorgy, dr.

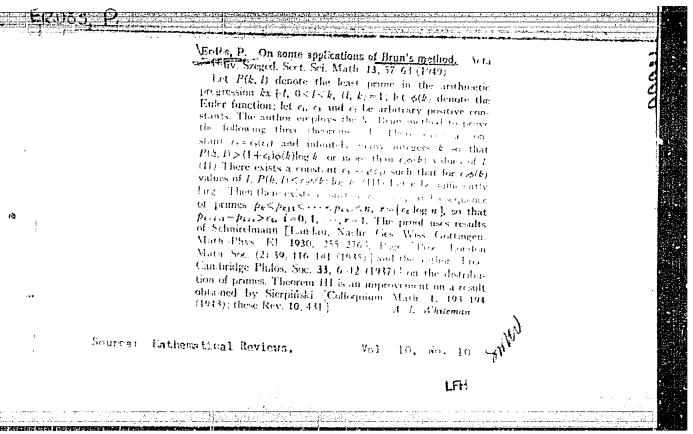
Active and passive immunization against tetanus. Grv. hetil. 105 no.36:1690-1694 6 S 164.

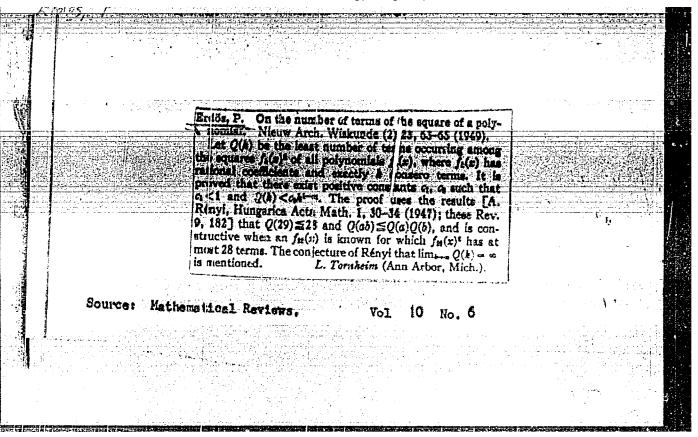
1. Orszagos Kozegeszsegugyi Intezet; Orszagos Traumatologiai Intezet es a Magyar Nephadsereg Egeszsegugyi Szolgalata.

#### "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041221







Erddig, P. Some remarks on set theory. Proc. Amer.

This paper contains a number of unrelated results in set theory, among which are the following. (1) If n is a fatural number, let f(n) denote the maximum number of distinct values that a sum of n ordinals can assume if one permutes the terms in all possible ways. Then

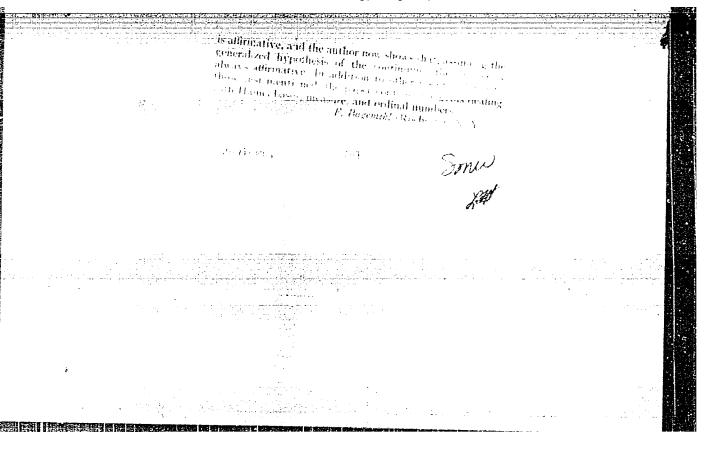
$$f(n) = \max_{k \le n-1} (k2^{k-1}+1)f(n-k).$$

The values of  $f(2), \dots, f(15)$  are 2, 5, 13, 33, 81, 193, 449, 1089, 2673, 6561, 15633, 37249, 88209, 216153; for  $x \le 3$ ,  $f(5x+1)=81^x$ ,  $f(5x+2)=193\cdot81^{x-1}$ ,  $f(5x+3)=193\cdot81^{x-1}$ ,  $f(5x+4)=193\cdot81^{x-1}$ ,  $f(5x+5)=33\cdot81^x$ ; and for  $n\ge 21$ , f(n)=81f(n-5). A. Wakuliez [see the preceding review] has treated the same problem by calculating  $f(1), \dots, f(20)$  and given a formula for f(n) for  $n\ge 20$ . (11) Let X be a sum of f(n) for f(n) for f(n) and f(n) are the gonal f(n) are the gonal f(n) and f(n) are the gonal f(n) are the gonal f(n) and f(n) are the gonal f(n) and

(Doklady) Acad. Sci. URSS (N.S.) 40, 175-178 (1943); these Rev. 6, 42].) Then the number of a-complete orthogonal pairs is 2., where y=K. The proof of this makes use of the generalized hypothesis of the continuum. (III) Let S, with |S| \(\ge \mathbb{R}\_{\text{s}}\), be any subset of k-dimensional Euclidean sprine. Then there exists a subset  $S_i$  of  $S_i$  with  $|S_i| = |S_{i+1}|$ such that the distance between any two points of St is different from that between any other such pair. (IV) The following generalizes a result of König [Theorie der endlichen und unendlichen Graphen . . . Akademische Verlagsgesellschaft, Leipzig, 1936, pp. 120-223]: If G is a graph of order make, where every vertex is connected by an edge to each of at least m different vertices, then G is the product of linear factors. (V) Let the set S have power man, let nich, and suppose that to every and there corresponds a subset fin) of S such that far has power less than a and with the electric set and but S is a closed configuration, it defines and but S is a subset S and S is a S such that S is 30 12 15

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100 grant hysik Liming Cacha, 2020 profits question raised to Serpinski and Kuziewa.
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Bateman, P. T., Chowla, S., and Erdős, P. Remarks on the size of L(1 v). Publ. Math. Thibrecen 1, 165-182

Let (d/n) denote the Kronecker symbol,

$$L_d(1) = \sum_{n=1}^{\infty} n^{-1} (d/n),$$

A homomorphism (1) (log log d) -1 and  $a = \liminf L_d(1)$  (log log d) -1 as  $d \to r$ . B and a we defined similarly as  $d \to -\infty$ . The authors prove that  $A \cong (18)^{-1}\sigma r$ ,  $B \cong (18)^{-1}\sigma r$ ,  $a \cong 3\pi^2\sigma^2 r$ ,  $b \cong 3\pi^3\sigma^2 r$ , and announce without proof the stronger results  $A = \{e^+, B^-\} \{e^+, a^-\} \{\pi^2\sigma^2, b \cong 3\pi^2\sigma^2\}$ . Slightly weaker results a very obtained by Chowla [Proc. London Math. Soc. 2.50, 423, 427, 1949); these Rev. 10, 285]. The proof is 10 ad on the serve method of Linnik and Réovi []. Math.

Source: Eathematical Reviews.

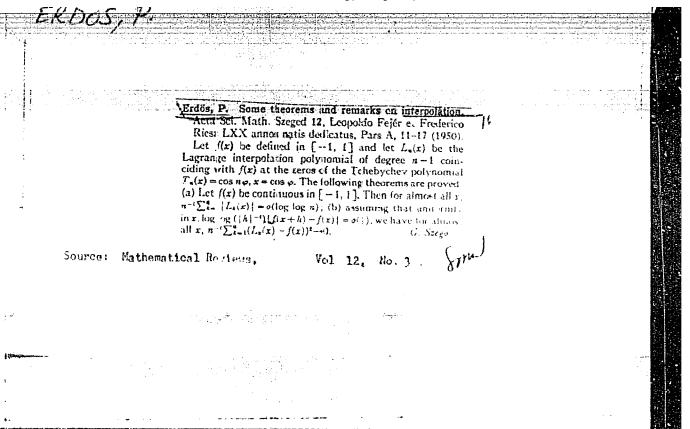
Pures Appl. (9) 28, 137-149 (1949); these Rev. 11, 161]. The authors also give a slight numerical improvement of the classical inequality  $L(1, \chi) < \log k$ , where  $\chi$  is any non-principal character med k. The following misprints were communicated by one of the authors: p. 167, line 12, replace 5/4 by 7/4; p. 167, second line from bottom, replace  $\sum_{n=1}^{\infty}$  by  $\sum_{n=1}^{\infty}$ ; p. 171, fifth line from bottom, replace  $\log (\frac{1}{2} \log \log x - \log \log \log x)$  by

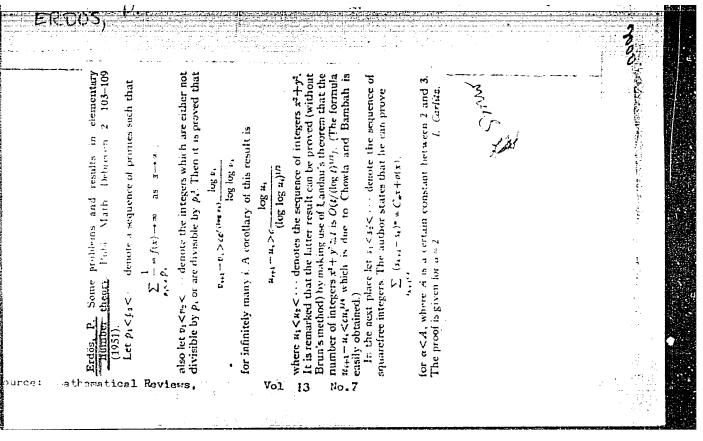
 $\log (\frac{1}{2} \log \log x - 2 \log \log \log x);$ 

p. 174, line 7, replace ρε© by qε©; p. 176, line 6, replace bε© by qε©; p. 177, last line, replace \( \frac{1}{2}b(\log x)\) + \( \delta\) by \( \log x)\) to \( \delta\). Chowla [3] in the references, replace Proc. Nat. Acad. Sci. India by Proc. Nat. Inst. Sci. India.

H. Heilbroan (Bristol)

Vol 1 No. 4





ERDOS, P.

\*\* Mathematical Reviews Vol. 14 No. 11
December, 1953
Number Theory.

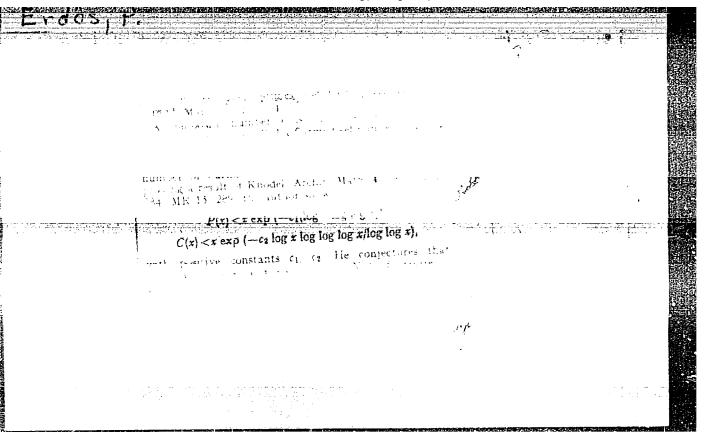
7-15-54 LL Davenport, H., and Erdüs, P. The distribution of quadratic and higher fesiques. Publ. Math. Debrecen 2, 252-265 (1952).

Some problems concerning the distribution of kth power residues and nonresidues are discussed. Let d denote the least quadratic nonresidue to the prime p. Then the authors show  $d = O(p^{1d} \log^p p)$ , where  $\theta = e^{-1/t}$ , which result is slightly better than a result of Vinogradov. The method is based on an elementary lemma on characters, which lemma, however, as the authors remark in a note added later, is already given by Ninogradov [Foundations of the theory of numbers, 5th ed., Gostehizdat, Moscow-Leningrad, 1949, p. 109; these Rev. 12, 107. Similar results are deduced for k > 2, which

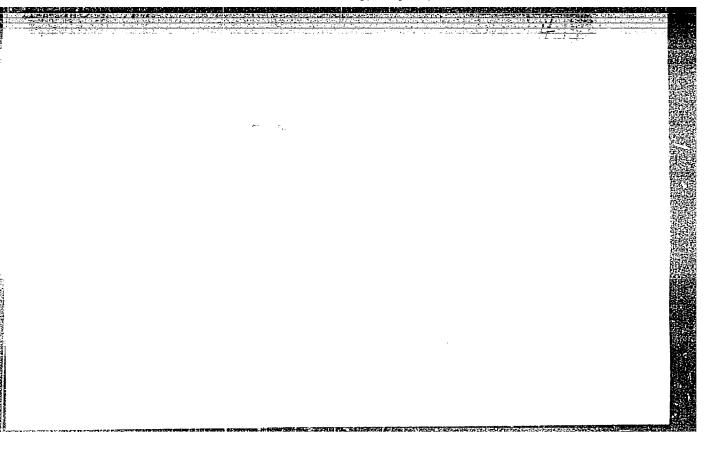
for  $k \ge 4$  are more precise than those known until now. Further, the authors give for  $k \ge 3$  an estimate for the order of magnitude of the least kth power nonresidue in any given one of the k-1 classes of nonresidues. They show that a positive number  $\eta = \eta(k)$  (depending on k only) exists, such that the estimate  $O(p^{k-1})$  holds. In the case k=3 their result takes the form  $O(p^{n+1})$ , where  $\gamma = 1/2u = 0.383$  approximately, u denoting the solution of the equation

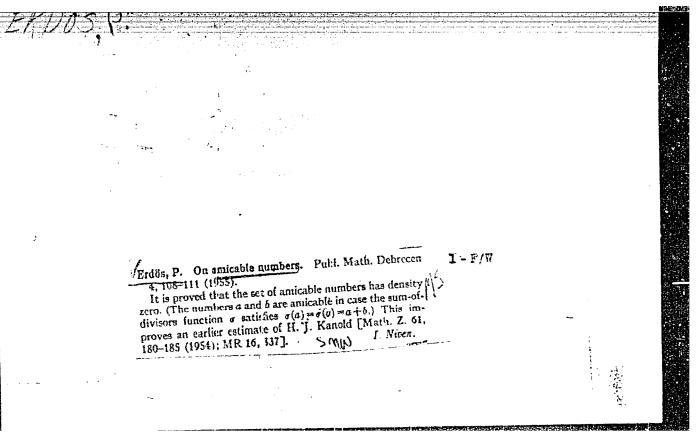
$$\log n + \int_{1}^{2n-1} \frac{\log t}{t+1} dt = \frac{1}{3}$$

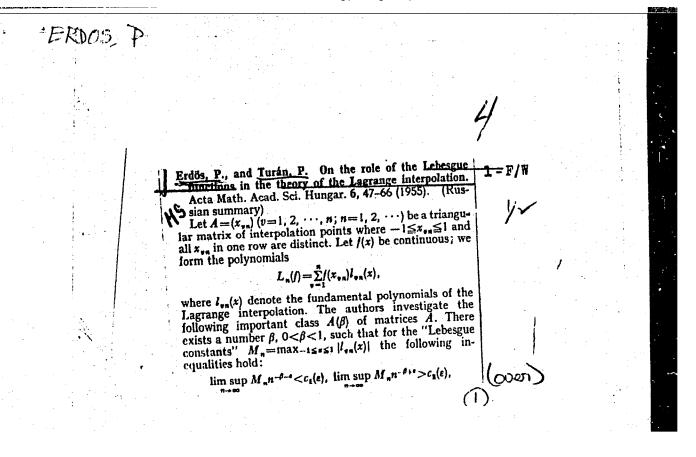
and e being an arbitrary positive constant. Finally the distribution of the quadratic residues and nonresidues in sets of consecutive integers is considered. J. F. Koksma.



ERDOS, P. 200 3 rdös, P. On the uniform but not absolute convergence of Opower series with gaps. Ann. Soc. Polon. Math. 25 Erdös, P. (1952), 162-168 (1953). The author proves that given any increasing sequence  $(n_i)_{i=1}^n$  of positive integers satisfying  $\liminf (n_j - n_i)^{1/(i-n)} = 1$ as  $j = i \to \infty$ , then there exists a power series  $\sum_{i=1}^{n} a_i x^{n_i}$  con-Mathematical Reviews verging uniformly in  $|s| \le 1$  and for which  $\sum |a_i| = \infty$ . Actually the author proves the following stronger result: May 1954 Under the above conditions there exists a sequence of posi-Analysis tive numbers  $a_i$  with  $\sum a_i = \infty$  such that for almost all the series  $\sum r_i(t)a_i s^{n_i}$  converges uniformly in  $|s| \le 1$  (here ri(i) denotes the ith Rademacher function). A construction of the sequence a, is given and the result is established through combinatorial and probabilistic arguments. A. Dvoretzky (New York, N. Y.).







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Erdos P. and Turán, F.

where  $c_1(\epsilon)$ ,  $c_2(\epsilon)$  are positive constants. The following results are obtained. (a) Let  $\mu < \beta/(\beta+2)$ ; there exists an  $f(x) \in \text{Lip } \gamma$  such that  $L_n(f)$  is unbounded in [-1, 1] as  $n \to \infty$ . (b) Let  $\gamma > \beta$ ,  $f(x) \in \text{Lip } \gamma$ ; then the sequence  $L_n(f)$  is uniformly convergent in [-1, 1]. (c) Let  $\gamma > \beta/(\beta+2)$ ; there exists a special matrix  $A \in A(\beta)$  such that the corresponding  $L_n(f)$  converge uniformly in [-1, 1] whenever  $f(x) \in \text{Lip } \gamma$ . (d) Let  $\gamma < \beta$ ; there exists a special matrix  $A \in A(\beta)$  and a special  $f(x) \in \text{Lip } \gamma$  such that  $L_n(f)$  is unbounded in [-1, 1]. G. Szegő (Stanford, Calif.).

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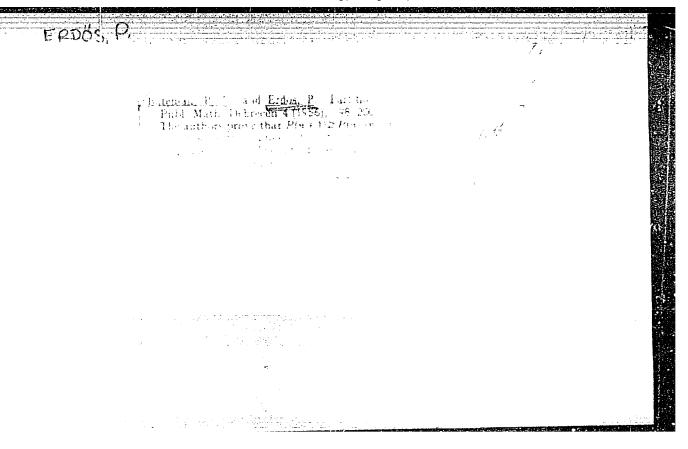
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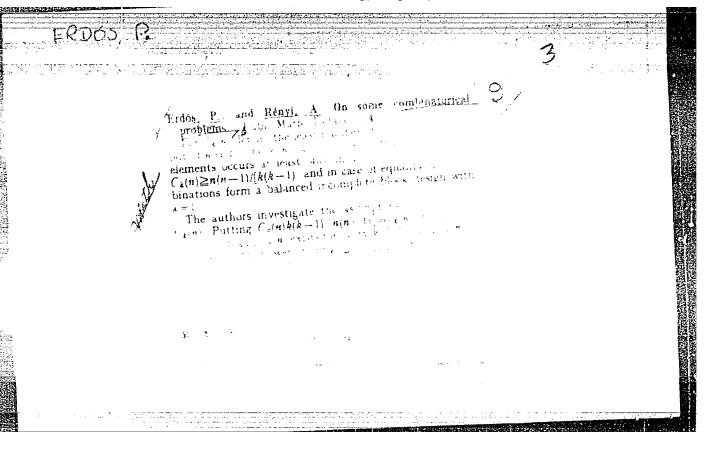
ERDUS, P.

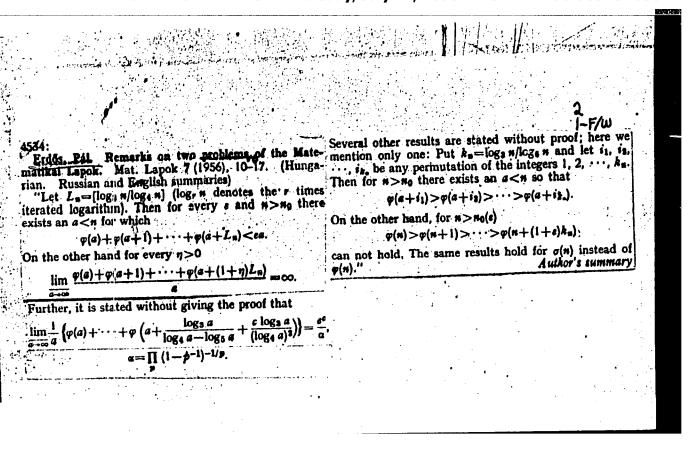
On exploitation, science, and superstructure. p. 102. Vol. 115, no. 2, Feb. 1956 TERRESZET ES TARSADALON. Budapest, Hungary

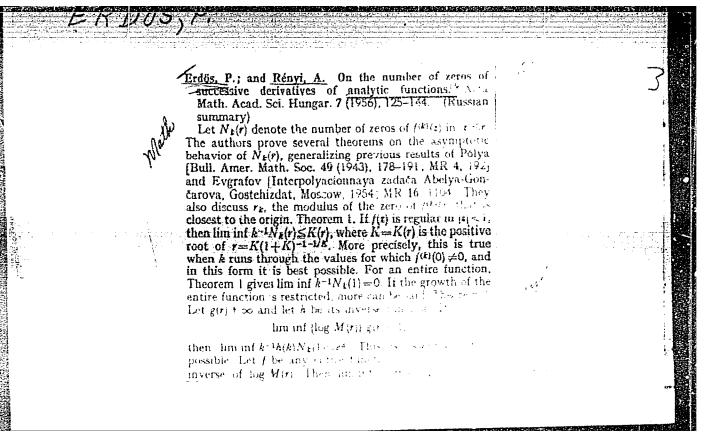
Source: East European Accession List. Library of Congress Vol. 5, No. 8, August 1956

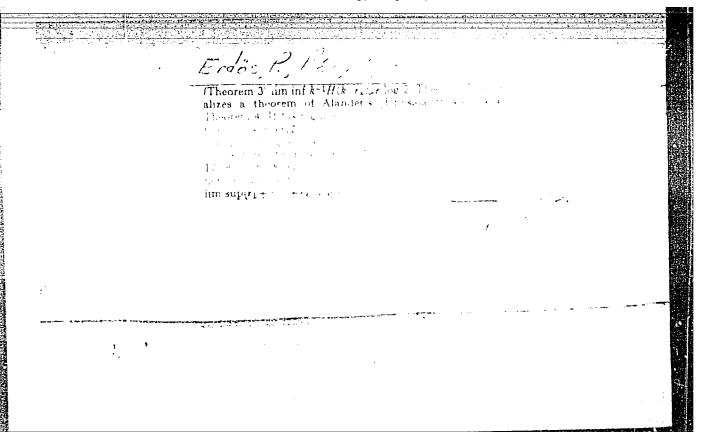


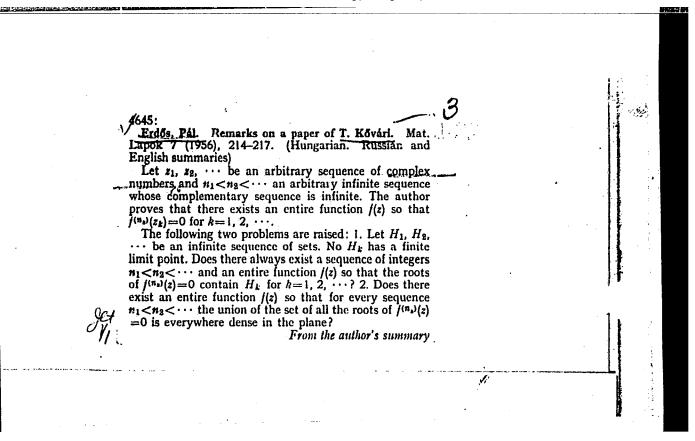


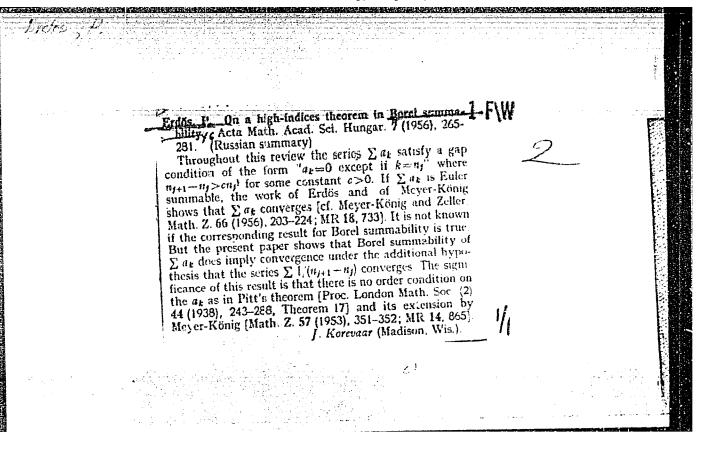








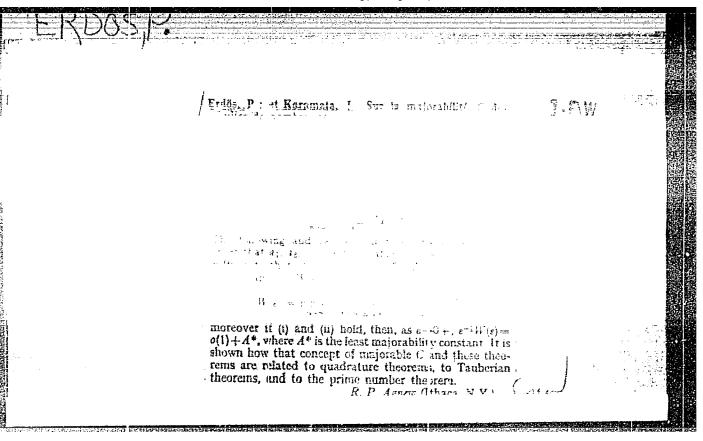




ERDOS, P.

On the maximum modulus of entire functions. In English. p.305. (Acta Mathematica, Vol. 7, no. 3/h, 1956, Pudapest, Hungary)

SO: Monthly List of East European Accessions (EMAL) IC. Vol. 6, no. 9, S.pt. 1057. Uncl.

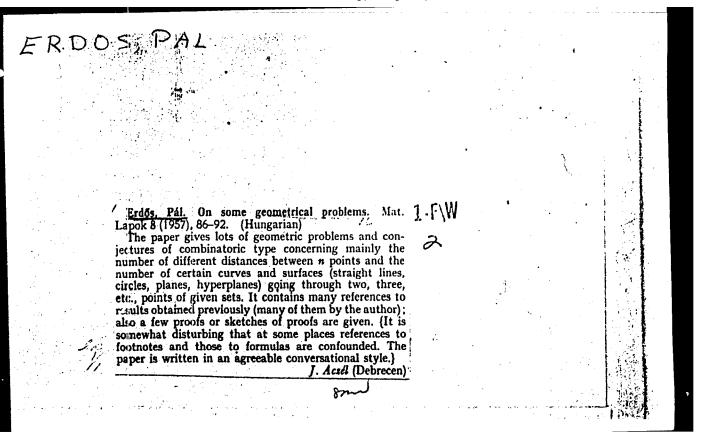


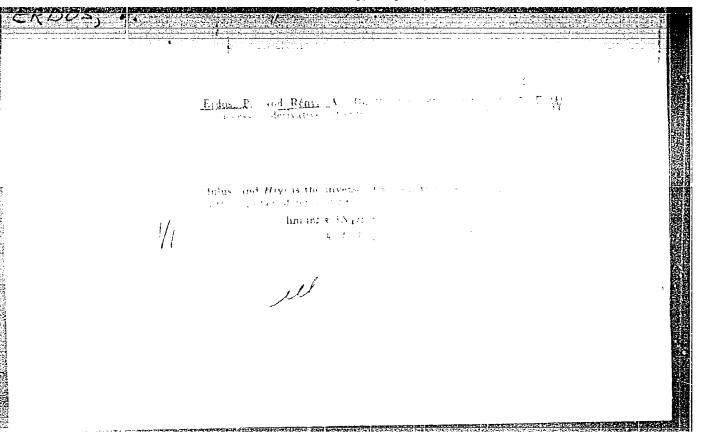
ERDOS, F.

ERSOD, P. Remarks about two problems in Matematikai Lapok. p. 10.

Vol. 7, no. 1/2, 1957 MATEMATIKAI LAPOK SCIENCE HUNGARY

So: East Europeon Accessions, Vol. 5, No. 9, Sept. 1956



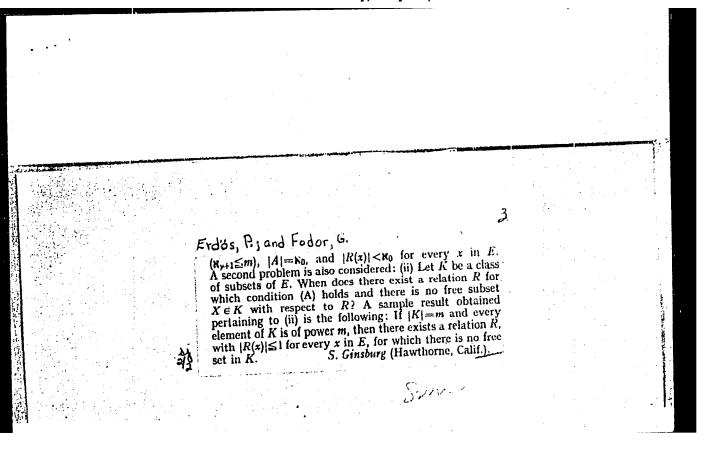


Brdbs, P.; and Fodor, G. Some remarks on set theory.

VI. Acta Sci. Math. Szeged 18 (1957), 243-260.

Let E be a given uncountable set of power m and let R be a relation on E. For x in E, let R(x) denote the set of elements y in E for which xRy holds. Two distinct elements of E, x and y, are called independent if  $x \notin R(y)$  and  $y \notin R(x)$ . A subset F of E is called free if F has only one element, or if F has more than one element and each two are independent. Let B be a system of subsets of E and I a p-additive ideal of B,  $p \le m$ . (A non-empty subset ICB is a p-additive ideal if the sum of any system of power smaller than p, of elements of I, is also in I, and if  $X \in I$ ,  $Y \in B$ ,  $Y \subset X$  imply  $Y \in I$ .) Let  $\{x \in B \text{ and } \{x\} \in I \text{ for every } x \in E$ . Let one of the following conditions hold for the sets R(x): (A) There is a cardinal number n < m such that |R(x)| < n for every x in E; (B) E is a metric space and d(x, R(x)) > 0, where d(x, R(x)) is the distance from x to the set R(x).

Numerous results about the following problem are given. (i) If A is a system of sets of B - I, does there exist a free subset E' of E such that  $X \cap E' \in B - I$  for every  $X \in A$ ? For example, an affirmative answer is given in the case where  $m > x_0$  is less than the first weakly inaccessible aleph,  $B = 2^n$ , I is an  $x_{r+1}$ -additive ideal



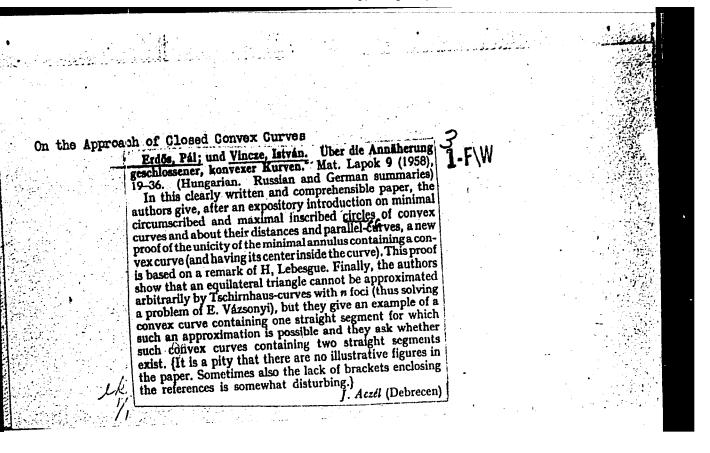
ERDOS, P; RENYI, A.

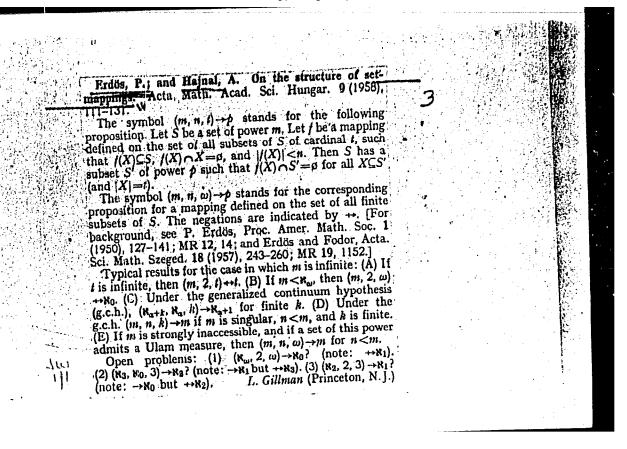
On singular radii of power series. In English. p. 159

MAGYAR TUDOMANYOS AKADEMIA MATEMATIKAI KUTATO INTEZETENEK KOZIEMENYEI. PUBLICATIONS OF THE MATHEMATICAL INSTITUTE OF THE HUNGARIAN ACADEMY OF SCIENCES. Eudapest, Hungary. Vol. 3, no. 3/4, 1958

Monthly list of East European Accessions (REAI). I. Vol. 9, no. 1, Jan., 1960.

Uncl.





## ENDOS, P.

Problems and results of the theory of interpolation. I. In English. p. 381

ACTA MATHEWATICA. (Magyar Tudomanyos Akademia) Budapest, Hungary. Vol. 9, no. 3/4, 1958.

Monthly list of East European Accessions, (EEAI) LC, Vol. 9, no. 1, Jan. 1960. Uncl.

ERDOS, Pal (Budapest); GALLAI, Tibor (Budapest)

On maximal paths and circuits of graphs. In English. Acta mat.Hung. (EEAI 9:5) no.3/4:337-356 159.

1. Corresponding member, Hungarian Academy of Sciences (For Erdos).
(Topology)

ERDOS, P. RENYI, A.

On the central limit theorem for samples from a finite population. In English. p. 49.

MAGYAR TUDOMANYOS AKADEMIA MATEMATIKAI KUTATO INTEZETENEK KOZLEMENYEI. PUBLICATIONS OF THE MATHEMATICAL INSTITUTE OF THE HUNGARIAN ACADEMY OF SCIENCES. Budapest, Hungary. Vol. 4, no. 1, 1959

Honthly list of East European Accessions (EEAI). IC. VOl. 9, no. 1, Jan., 1960.

Unol.

ERDOS, P.

SCIE.ICE

periodicals: ACTA ARITHMETICA Vol. 5, no. 1, 1959

EREOS, P. Remarks on number theory. I. On primitive omabundant numbers. p. 25.

Monthly List of East European Accessions (ELAI) LC Vol. 8, no. 5 may 1959, Unclass.

ERDOS, P.

SCIENCE

periodicals: ACTA ARITHMETICA Vol. 5, no. 1, 1959

ERDOS, P. On the probability that  $\underline{n}$  and  $\underline{g}$  ( $\underline{n}$ ) are relatively price.

Monthly List of East European Accessions (HEAI) LC Vol. 8, no. 5 hay 1959, Unclass.

ERICS, P.

SCIENCE

periodicals: / CTA ARITHMETICA Vol. 5, no. 1, 1959

ERBCG, P. On a question of additive number theory. p. h5.

Monthly List of East European Accessions (EIAI) LC Vol. 8, no. 5
Nay 1959, Unclass.

ERDOS, P.

Remarks on number. theory. II. Some problems on the o function. p. 171.

ACTA ARITHMETICA. (Polska Akademia Nauk. Instytut Matematyczny) Warszawa, Poland. Vol.5, no. 2, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

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AUTHOR: Erdös, P.

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TITLE: On an Asymptotic Inequality on the Theory of Numbers

PERIODICAL: Vestnik Leningradskogo universiteta, Seriya matematiki, mekhaniki i astronomii, 1960, No. 13, pp. 41 - 49

TEXT: Let

$$A(n) = 1$$

$$m \le n$$

$$m = xy$$

$$1 \le x \le (n), 1 \le y \le \sqrt{n}$$

Theorem 1: For a certain  $\varepsilon > 0$  there exists an  $n_0 = n_0(\varepsilon)$  so that for all  $n > n_0$  it holds:

$$\frac{\frac{\ln \ln n}{\ln 2}}{(\ln n)^{1+\epsilon}} \quad \text{(e ln 2)} \qquad \frac{\frac{\ln \ln n}{\ln 2}}{\ln 2} < A(n) < \frac{n}{(\ln n)^{1-\epsilon}} \quad \text{(e ln 2)}$$

## "APPROVED FOR RELEASE: Thursday, July 27, 2000

CIA-RDP86-00513R00041221

On an Asymptotic Inequality on the Theory of Numbers

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Let  $\ell_n$  be the density of the integers which have at least one divisor in the interval (n, 2n).

Theorem 2: 
$$(\ln n)^{-\ell}$$
 (e  $\ln 2$ )  $< \ell_n < (\ln n)^{\ell}$  (e  $\ln 2$ )  $< \ln 2$ 

The author mentions A. Vinogradov and Professor Linnik. There are 2 non-Soviet references.

Card 2/2

X

# ERDOS, Pal; RENYI, Alfred On the evolution of random graphs. Mat kut kozl MTA 5 no.1/2:17-61 (EEAI 10:1)

(Topology) (Probabilities)

ERDOS, Pal

On sets of distances on 2 points in Euclidean space. Mat kut kozl MTA 5 no.1/2:165-169 '60.

(Numbers, Theory of)

(Spaces, Generalized) (Aggregates)

ERDOS, P. (Budapest)

About an estimation problem of Zahorski. Col math 7 no.2:167-17C
(EEAI 10:1)

\*60.

(Numbers, Theory of) (Series)

Card 1/2

34560 S/044/62/000/001/005/061 C111/C444 16.5500 Erdös, Pál; Callai, Tibor. AUTHORS: Graphs with points of given power TITLE: Referativnyy zhurnal, Matematika, no. 1, 1962, 47, abstract 1A295. (Mat. lapok, 1960, 11, no. 4, 264 - 274) PERIODICAL: A sequence  $a_1, \dots, a_n(n \ge 2)$  is called realisable, if TEXT: there is a graph without sloops or multiple borders, the points of which are  $P_1$ ,  $P_2$ ,...,  $P_n$  and in which the power of the point  $P_i$  is equal to  $a_i(i = 1, 2, ..., n)$ . The following theorem is proved: A sequence of non-negative integers  $a_1, \ldots, a_n$   $(n \geqslant 2)$ , satisfying the condition  $a_1 \geqslant a_2 \geqslant \cdots \geqslant a_n$ , is realisable, if and only if the following conditions are satisfied: a) \_n\_ a is an even number;

One asymptotic inequality in the theory of numbers. Vest.LOU 15 no.13:41-49 '60. (MIRA 13:7)

ERDOS, Pal; GALLAI, Tiber

On the minimal number of vertices representing the edges of a graph. Mat kut kezl MTA 6 no.1/2:181-203 161.

(Tepelegy)

### ERDOS, P.; RENYI, Alfred

On a classical problem of probability theory. Mat kut kezl MTA 6 ne.1/2:215-220 \*61.

(Probabilities)

Seme unsolved preblems. Mat kut kezl MTA 6 no.1/2:221-254 161.

(Numbers, Theory of) (Combinations) (Geometry)

(Prebabilities)

ERDOS, P. (Budapest); SCHINZEL, A. (Warszawa)

Distributions of the values of some arithmetical functions. Acta arithmetica 6 no.4:473-485 161.